

# LOCAL CLIMATOLOGICAL DATA

## Monthly Summary

### September 2014

Station: Westford  
 Latitude: 44° 37' 39" N Longitude: 73° 02' 29" W Elevation (Ground): 850 feet Time Zone: Eastern

Date	Temperature					Humidity	Deg. Days		Precip Ty 1 fog 2 hvy fog 3 thunder 4 ice plt 5 hail 6 glaze 7 dustsm, hz 8 smk, hz 9 blw snw	Snow Cvr	Precip		Pressure Adj. to Sea Level			Wind						Solar Radiation		
	Maximum	Minimum	Average	Mean	Dew Point		Mean	Heating Base 65°F			Cooling Base 65°F	Water Equivalent	Ice Pellets Snow	Maximum	Minimum	Mean	Avg Speed	Res Speed	Res Dir	Peak			Minute	
																				Speed	Dir		Speed	Dir
1	2	3	4A	4B	5	6	7	8	10	11	12	13	14	15	16	17	18	19	20	21	22	23		
1	84.3	64.3	74.3*	72.1	67	85	0	9	.....	0	0.00	0.0	29.90	29.80	29.849	0.5	0.4	254	13	W	7	217	203	
2	85.6*	62.2	73.9	72.6	68	86	0	9	..3.....	0	0.22	0.0	29.81	29.61	29.656	0.7	0.7	226	18	SW	8	217	147	
3	77.0	55.6	66.3	65.4	59	82	0	2	.....	0	0.01	0.0	30.01	29.68	29.825	1.0	0.9	282	14	WNW	8	281	193	
4	80.9	54.1	67.5	66.8	60	80	0	3	.....	0	0.00	0.0	30.09	29.97	30.026	0.7	0.7	217	15	SW	7	223	214	
5	85.0	61.7	73.4	73.8	67	79	0	9	.....	0	0.00	0.0	30.03	29.77	29.918	1.6	1.6	214	18	SSE	8	212	184	
6	74.6	57.5	66.0	66.5	64	91	0	2	.....	0	0.40	0.0	29.89	29.69	29.732	0.9	0.7	249	18	W	10	308	41	
7	72.0	46.3	59.1	57.9	52	83	6	0	.....	0	0.00	0.0	30.18	29.88	30.034	0.4	0.4	281	11	W	6	308	204	
8	76.1	45.5	60.8	59.6	52	80	4	0	.....	0	0.01	0.0	30.32	29.74	30.253	0.2	0.2	227	12	WSW	6	213	215	
9	73.2	48.4	60.8	60.1	51	74	4	0	.....	0	0.00	0.0	30.30	30.09	30.199	0.5	0.5	195	13	SSW	6	160	217	
10	75.1	49.9	62.5	62.1	56	82	2	0	.....	0	0.00	0.0	30.10	29.84	29.981	0.5	0.5	212	13	SSE	6	227	159	
11	68.8	52.1	60.5	62.6	58	84	4	0	.....	0	0.16	0.0	29.95	29.55	29.711	2.3	2.0	223	28	W	12	209	40	
12	52.1	36.4	44.3	46.5	43	86	21	0	.....	0	0.00	0.0	30.25	29.95	30.135	0.1	0.1	323	19	NNW	7	307	45	
13	52.4	36.0	44.2	45.4	44	94	21	0	.....	0	0.15	0.0	30.25	29.98	30.129	0.9	0.8	219	18	W	9	291	37	
14	53.7	39.3	46.5	45.0	41	87	18	0	.....	0	0.00	0.0	30.26	30.11	30.211	0.3	0.2	307	17	WNW	6	298	81	
15	63.9	32.4	48.2	48.1	42	81	17	0	.....	0	0.01	0.0	30.20	29.98	30.112	0.5	0.5	229	15	W	6	235	189	
16	65.0	46.1	55.5	52.6	50	90	9	0	.....	0	0.15	0.0	29.99	29.85	29.917	0.6	0.6	227	10	SW	5	228	111	
17	66.6	43.5	55.0	53.4	47	80	9	0	.....	0	0.01	0.0	29.95	29.84	29.904	0.8	0.7	238	16	SSW	7	258	188	
18	55.2	36.2	45.7	48.3	43	83	19	0	.....	0	0.01	0.0	30.17	29.85	29.988	0.3	0.2	7	14	N	5	13	102	
19	57.3	28.6*	42.9*	42.1	33	74	22	0	.....	0	0.00	0.0	30.36	30.17	30.237	0.2	0.1	255	10	WSW	4	297	197	
20	66.6	43.5	55.0	57.2	51	79	9	0	.....	0	0.00	0.0	30.22	29.84	30.024	4.5	4.5	211	30	SW	13	216	136	
21	79.3	60.1	69.7	66.5	60	80	0	5	.....	0	0.27	0.0	29.85	29.44	29.635	3.0	2.9	215	27	SW	10	207	135	
22	60.2	43.1	51.6	51.0	46	83	13	0	.....	0	0.02	0.0	30.06	29.42	29.721	2.8	2.7	285	28	W	15	292	77	
23	60.2	42.9	51.6	51.4	46	83	13	0	.....	0	0.00	0.0	30.37	30.05	30.192	0.8	0.7	238	11	W	6	272	87	
24	72.0	42.9	57.5	55.9	50	84	7	0	.....	0	0.00	0.0	30.53	30.36	30.463	0.3	0.3	220	11	WSW	4	227	177	
25	72.6	45.5	59.0	57.2	51	82	5	0	.....	0	0.00	0.0	30.45	30.20	30.329	0.3	0.3	211	8	WNW	4	209	152	
26	77.2	47.7	62.4	59.5	54	85	2	0	.....	0	0.00	0.0	30.23	30.11	30.176	0.1	0.1	308	10	WNW	4	285	176	
27	79.1	50.4	64.8	62.1	57	85	0	0	.....	0	0.01	0.0	30.19	30.10	30.147	0.1	0.1	293	9	W	6	293	167	
28	81.0	53.6	67.3	64.0	58	85	0	3	.....	0	0.01	0.0	30.13	29.93	29.879	0.3	0.3	245	10	W	7	293	160	
29	76.3	47.8	62.1	60.8	56	85	3	0	.....	0	0.00	0.0	29.95	29.84	29.900	0.1	0.1	300	8	W	4	283	141	
30	70.8	44.0	57.4	56.5	53	89	7	0	.....	0	0.00	0.0	29.98	29.87	29.918	0.1	0.0	209	8	WSW	4	253	118	
<b>Sum</b>	<b>Sum</b>	-----	-----	---	----		<b>Ttl</b>	<b>Ttl</b>					<b>For the month:</b>						---					
2114	1418						215	42	<b>Number of Days</b>	1.44	0.0	30.53	29.42	30.007	0.8	0.7	233	30	SW	15	292			
<b>Avg</b>	<b>Avg</b>	<b>Avg</b>	<b>Mean</b>	<b>Avg</b>	<b>Avg</b>		----	----	<b>Precip</b>	<b>Season Ttl</b>		<b>Date</b>	<b>Date</b>	-----	----	----	----	<b>Date</b>	<b>Date</b>	<b>Avg</b>				
70.5	47.3	58.9	58.1	53	83.4	----	----	----	<b>≥.01 inch</b>	14	33.06	0.0	24	22	-----	----	----	----	20	22	143			
<b>Number of Days</b>							<b>Season to Date</b>		<b>Snow, Ice ≥1.0 inch</b>	0	<b>Greatest in 24 Hours and Dates</b>				<b>Greatest Depth on Ground of Snow, Ice Pellets or Ice and Date</b>									
<b>Max Temperature</b>			<b>Min Temperature</b>			285	291	<b>Thunder</b>	1	<b>Precipitation</b>		<b>Snow, Ice Plts</b>												
<b>≥ 90°F</b>	<b>≤ 32°F</b>	<b>≤ 32°F</b>	<b>≤ 0°F</b>	----	----	<b>Heavy Fog</b>	0	0.40	6	0.0	-	0				-								
0	0	2	0	----	----	<b>Clear</b>	7	<b>Partly Cloudy</b>		13	<b>Cloudy</b>		9											

NOTES:  
 Units are: Temperature=°F, Wind=mph, Pressure=Inches Hg, Precipitation=inches.  
 Data in column 4A are (MAX+MIN) ÷ 2, whereas columns 4B, 5, 6, 15, 16, 23 are means via continuous observations for 24 hours.  
 Column 5: Dew point is calculated from temperature and humidity and is continuously averaged for 24 hours.  
 Data in columns 9, 10, 12 are entered manually by the station observer.  
 Columns 17-18: Resultant wind is calculated by the vector sum of continuous wind observations.  
 Column 23: Solar Radiation is measured in Watts/m<sup>2</sup> and is continuously averaged for 24 hours.  
 Data in columns 4B, 5, 6, 15, 16, 23 are updated continuously, there by achieving a "true" mean.

## OBSERVATIONS AT 3-HOUR INTERVALS September 2014: Westford

Hour	Sunshine	Pressure	Rainfall rate	Temperature	Dew Point	Humidity	Wind			Sunshine	Pressure	Rainfall rate	Temperature	Dew Point	Humidity	Wind			Sunshine	Pressure	Rainfall rate	Temperature	Dew Point	Humidity	Wind		
							Direction	Speed	Gust							Direction	Speed	Gust							Direction	Speed	Gust
SEP 01									SEP 02									SEP 03									
01	0	29.84	0.00	68	67	98	21	0	0	0	29.79	0.00	66	64	94	21	0	0	0	29.70	0.00	62	61	97	32	0	0
04	0	29.85	0.00	67	67	98	23	0	0	0	24.03	0.00	68	65	93	21	0	3	0	29.74	0.00	61	60	96	25	0	4
07	21	29.88	0.00	67	66	98	21	0	4	18	29.74	0.00	70	68	94	19	2	7	9	29.81	0.00	62	60	96	23	0	1
10	265	29.87	0.00	72	69	90	21	0	4	107	29.75	0.00	74	70	88	20	2	9	213	29.87	0.00	67	62	85	26	2	8
13	269	29.87	0.00	79	66	65	29	4	9	322	29.72	0.00	82	71	69	21	4	13	805	29.87	0.00	72	64	76	30	0	7
16	499	29.83	0.00	83	67	58	28	0	4	127	29.67	0.00	83	72	71	22	0	7	503	29.89	0.00	77	57	50	30	2	10
19	19	29.80	0.00	75	69	81	21	0	0	0	29.62	0.00	75	70	86	21	0	1	16	29.95	0.00	67	58	72	30	0	0
22	0	29.82	0.00	65	64	97	21	0	0	0	29.70	0.09	64	62	95	29	0	0	0	29.99	0.00	56	54	93	30	0	0
SEP 04									SEP 05									SEP 06									
01	0	30.02	0.00	57	55	94	22	0	3	0	30.02	0.00	64	62	96	22	0	3	0	29.75	0.00	74	68	81	19	1	12
04	0	30.05	0.00	55	54	94	21	0	2	0	30.00	0.00	66	62	86	20	1	9	0	29.75	0.00	72	67	86	22	0	8
07	26	30.06	0.00	58	54	89	21	0	3	23	30.00	0.00	65	62	88	22	0	6	11	29.76	0.00	71	68	90	21	0	6
10	512	30.07	0.00	70	61	72	22	6	13	490	29.99	0.00	76	67	75	21	3	13	90	29.73	0.00	72	68	89	22	1	12
13	707	30.02	0.00	78	66	66	21	0	8	684	29.91	0.00	81	70	68	22	3	14	63	29.72	0.11	64	62	96	30	7	17
16	176	29.99	0.00	79	64	60	22	0	13	253	29.87	0.00	80	71	72	21	2	13	54	29.77	0.00	60	59	96	30	0	2
19	16	29.99	0.00	72	66	79	23	0	0	12	29.83	0.00	77	70	77	19	1	10	9	29.79	0.00	60	59	95	28	0	0
22	0	30.00	0.00	64	62	96	23	0	0	0	29.81	0.00	77	70	80	22	0	14	0	29.87	0.00	60	59	96	31	0	0
SEP 07									SEP 08									SEP 09									
01	0	29.90	0.00	57	55	93	02	0	0	0	30.19	0.00	49	48	97	06	0	0	0	30.25	0.00	52	51	94	20	0	0
04	0	29.92	0.00	49	48	97	02	0	0	0	30.23	0.00	47	47	98	06	0	0	0	30.26	0.00	50	49	95	20	0	0
07	14	29.99	0.00	47	46	98	02	0	0	14	30.28	0.00	46	45	98	06	0	0	14	30.29	0.00	54	48	82	15	0	4
10	513	30.04	0.00	62	54	75	21	2	6	487	30.31	0.00	66	57	74	18	0	3	504	30.26	0.00	64	52	64	22	1	9
13	726	30.06	0.00	68	55	65	29	3	9	689	30.28	0.00	73	58	59	22	0	6	705	30.20	0.00	70	50	50	23	3	7
16	499	30.07	0.00	71	53	54	30	2	8	462	30.24	0.00	76	57	53	27	1	9	466	30.14	0.00	71	53	53	19	0	8
19	11	30.09	0.00	61	54	78	06	0	0	19	30.25	0.00	66	59	78	20	0	0	5	30.12	0.00	62	53	73	20	0	0
22	0	30.16	0.00	52	50	95	06	0	0	0	30.25	0.00	54	52	93	20	0	0	0	30.11	0.00	57	51	80	19	0	6
SEP 10									SEP 11									SEP 12									
01	0	30.08	0.00	52	49	90	20	0	0	0	29.80	0.00	64	57	79	14	2	9	0	29.97	0.00	51	46	84	33	0	2
04	0	30.06	0.00	52	51	96	20	0	1	0	29.73	0.00	64	57	76	22	4	20	0	30.02	0.00	48	43	82	29	0	3
07	23	30.06	0.00	51	50	96	20	0	0	0	29.64	0.14	62	59	91	21	2	15	14	30.09	0.00	45	43	91	05	0	0
10	394	30.06	0.00	64	56	77	21	1	11	21	29.61	0.00	65	61	89	19	1	27	105	30.13	0.00	48	43	82	35	0	1
13	759	30.01	0.00	72	62	71	19	1	6	72	29.56	0.00	66	64	94	21	3	16	155	30.16	0.00	49	43	80	03	0	3
16	271	29.96	0.00	73	62	68	14	0	8	167	29.64	0.00	69	63	84	26	1	20	74	30.19	0.00	49	44	83	31	0	1
19	0	29.91	0.00	65	60	86	19	0	0	0	29.78	0.00	61	56	83	23	0	1	0	30.22	0.00	47	44	88	02	0	0
22	0	29.88	0.00	64	59	84	15	0	2	0	29.91	0.00	54	48	81	30	1	13	0	30.24	0.00	38	37	95	02	0	0
SEP 13									SEP 14									SEP 15									
01	0	30.24	0.00	36	36	97	02	0	0	0	30.14	0.00	46	43	90	30	1	5	0	30.18	0.00	36	35	95	04	0	0
04	0	30.22	0.00	38	37	98	13	0	0	0	30.20	0.00	43	39	87	29	1	14	0	30.16	0.00	33	33	97	04	0	0
07	25	30.21	0.00	38	37	98	13	0	0	7	30.23	0.00	43	40	89	30	0	3	12	30.19	0.00	33	33	98	04	0	0
10	156	30.18	0.00	47	45	94	22	0	2	98	30.25	0.00	45	41	86	31	1	4	506	30.17	0.00	52	46	80	23	3	9
13	105	30.13	0.00	51	47	88	17	1	10	158	30.24	0.00	47	43	83	30	0	0	712	30.12	0.00	60	44	55	21	0	13
16	60	30.01	0.00	50	48	94	18	1	7	529	30.21	0.00	54	44	70	32	0	0	441	30.05	0.00	64	45	50	22	2	7
19	0	30.01	0.00	51	50	97	18	2	9	7	30.21	0.00	46	42	87	00	0	0	0	30.03	0.00	53	47	81	17	0	0
22	0	30.09	0.00	49	47	93	26	2	8	0	30.20	0.00	41	40	96	04	0	0	0	30.01	0.00	52	46	80	21	0	2
SEP 16									SEP 17									SEP 18									
01	0	29.98	0.00	50	47	90	21	0	0	0	29.92	0.00	49	46	92	23	0	2	0	29.85	0.00	51	48	87	21	0	0
04	0	29.95	0.00	49	48	95	21	0	0	0	29.93	0.00	45	44	96	20	0	4	0	29.85	0.00	52	48	84	21	0	0
07	9	29.94	0.04	48	47	96	20	1	6	12	29.94	0.00	44	43	97	21	0	0	0	29.91	0.00	50	48	95	05	0	1
10	93	29.93	0.00	52	51	95	21	4	9	473	29.95	0.00	57	48	73	23	2	5	83	29.99	0.00	45	43	94	28	0	10
13	408	29.91	0.00	57	55	93	22	3	7	664	29.92	0.00	62	47	58	28	1	10	589	30.01	0.00	52	44	75	05	0	6
16	185	29.86	0.00	61	53	74	19	0	6	134	29.87	0.00	65	48	54	23	0	5	137	30.02	0.00	51	42	71	02	0	2
19	0	29.88	0.00	54	51	91	29	0	0	0	29.86	0.00	55	50	85	20	0	0	0	30.06	0.00	45	40	83	03	0	0
22	0	29.90	0.00	47	46	97	18	0	2	0	29.88	0.00	50	47	91	20	1	5	0	30.14	0.00	41	35	79	01	0	7

### MAXIMUM SHORT DURATION PRECIPITATION

Time Period (minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation	0.07	0.08	0.10	0.11	0.13	0.16	0.19	0.22	0.25	0.27	0.30	0.37
Ended: Date	21	21	21	21	21	06	21	21	21	21	06	06
Ended: Time	2107	2109	2157	2158	2211	1519	2158	2222	2234	2258	1512	1512

The precipitation amounts may occur at any time during the month. The time indicated is the ending time of the interval. Date and time are not entered for trace amounts.

# OBSERVATIONS AT 3-HOUR INTERVALS

## September 2014: Westford

Hour	SEP 19									SEP 20									SEP 21								
	Sunshine	Pressure	Rainfall rate	Temperature	Dew Point	Humidity	Direction	Speed	Gust	Sunshine	Pressure	Rainfall rate	Temperature	Dew Point	Humidity	Direction	Speed	Gust	Sunshine	Pressure	Rainfall rate	Temperature	Dew Point	Humidity	Direction	Speed	Gust
01	0	30.19	0.00	34	31	92	04	0	0	0	30.19	0.00	45	38	75	19	1	12	0	29.84	0.00	62	58	85	21	5	24
04	0	30.25	0.00	30	28	95	04	0	0	0	30.15	0.00	49	41	76	20	6	23	0	29.76	0.00	61	56	82	21	4	17
07	12	30.31	0.00	29	28	96	04	0	0	5	30.12	0.00	51	45	80	20	7	18	19	29.73	0.00	62	57	85	20	3	18
10	476	30.35	0.00	47	33	58	02	0	0	151	30.08	0.00	55	49	82	21	3	27	417	29.70	0.00	68	61	80	20	7	22
13	666	30.35	0.00	53	30	42	26	0	1	621	30.00	0.00	63	55	75	21	7	21	550	29.61	0.00	73	62	68	22	6	22
16	418	30.30	0.00	57	37	47	25	1	8	343	29.93	0.00	65	57	75	20	4	22	174	29.52	0.00	74	60	63	20	4	14
19	0	30.27	0.00	43	38	84	22	0	0	0	29.92	0.00	63	57	83	21	1	11	0	29.49	0.00	66	61	84	22	0	0
22	0	30.21	0.00	41	36	83	22	0	4	0	29.86	0.00	63	57	80	21	5	21	0	29.47	0.40	63	62	95	21	3	9
SEP 22									SEP 23									SEP 24									
01	0	29.44	0.00	60	59	96	21	3	13	0	30.06	0.00	45	39	81	26	0	3	0	30.39	0.00	47	46	97	24	0	0
04	0	29.44	0.00	58	57	95	21	0	8	0	30.10	0.00	46	41	82	26	1	3	0	30.42	0.00	48	48	98	24	0	0
07	12	29.58	0.00	50	47	90	28	8	20	0	30.14	0.00	46	42	84	22	0	0	11	30.49	0.00	43	43	98	24	0	0
10	220	29.68	0.00	50	44	81	29	7	20	250	30.18	0.00	52	44	74	26	3	10	443	30.52	0.00	60	56	85	22	0	8
13	367	29.75	0.00	52	44	75	28	6	21	329	30.19	0.00	60	50	70	22	3	9	656	30.50	0.00	68	55	62	21	1	5
16	178	29.83	0.00	49	41	74	29	1	18	105	30.21	0.00	59	52	80	23	1	6	383	30.47	0.00	71	56	59	21	0	3
19	0	29.93	0.00	47	39	73	27	0	9	0	30.27	0.00	56	52	88	25	0	5	0	30.46	0.00	58	53	85	19	0	0
22	0	30.00	0.00	46	39	78	28	0	4	0	30.33	0.00	51	49	94	24	0	0	0	30.44	0.00	51	49	93	21	0	3
SEP 25									SEP 26									SEP 27									
01	0	30.44	0.00	52	48	88	20	0	5	0	30.20	0.00	49	48	97	28	0	0	0	30.15	0.00	55	54	97	03	0	0
04	0	30.41	0.00	51	47	86	20	0	5	0	30.20	0.00	49	48	98	28	0	0	0	30.15	0.00	53	52	97	03	0	0
07	7	30.40	0.00	46	45	95	20	0	0	11	30.21	0.00	48	47	98	28	0	0	9	30.17	0.00	51	51	98	03	0	0
10	329	30.39	0.00	59	53	80	16	0	6									411	30.19	0.00	67	62	83	02	0	0	
13	654	30.33	0.00	69	56	63	03	0	3	615	30.19	0.00	72	60	65	28	1	7	589	30.17	0.00	74	60	63	27	1	9
16	269	30.26	0.00	71	58	63	28	0	1	371	30.14	0.00	76	58	54	28	0	4	353	30.13	0.00	79	63	58	01	0	1
19	0	30.22	0.00	57	53	89	28	0	0	0	30.13	0.00	59	55	89	03	0	0	0	30.11	0.00	62	58	89	34	0	0
22	0	30.21	0.00	51	50	96	28	0	0	0	30.15	0.00	55	54	96	03	0	0	0	30.14	0.00	57	56	97	34	0	0
SEP 28									SEP 29									SEP 30									
01	0	30.12	0.00	55	54	97	34	0	0	0	29.93	0.00	56	54	95	31	0	0	0	29.89	0.00	47	46	97	25	0	0
04	0	30.10	0.00	55	54	98	27	0	0	0	29.92	0.00	53	52	96	31	0	0	0	29.89	0.00	44	44	97	25	0	0
07	9	30.09	0.00	55	54	98	27	0	0	7	29.93	0.00	53	52	97	31	0	0	9	29.91	0.00	50	49	98	23	0	3
10	408	30.07	0.00	67	62	84	20	3	7	290	29.93	0.00	67	60	79	00	0	0	429	29.92	0.00	64	57	78	05	0	1
13	596	30.02	0.00	76	62	62	29	0	8	599	29.88	0.00	73	61	66	29	1	5	336	29.90	0.00	70	61	72	00	0	1
16	135	29.96	0.00	80	60	50	24	0	1	169	29.86	0.00	71	62	74	29	0	7	336	29.90	0.00	68	59	73	05	0	8
19	0	19.67	0.00	63	60	89	28	0	0	0	29.85	0.00	60	57	90	29	0	0	0	29.92	0.00	58	55	91	07	0	0
22	0	29.94	0.00	58	57	96	31	0	0	0	29.89	0.00	52	50	94	29	0	0	0	29.96	0.00	54	53	96	08	0	0

### WEATHER NOTES

NOTES:  
 Units are: Temperature=°F, Wind=mph, Pressure=Inches Hg, Precipitation=inches.  
 Wind Direction: Directions are those from which the wind is blowing, indicated in tens of degrees from true north: i.e., 09 for East, 18 for South, 27 for West, and 00 or 36 for North.  
 Wind Speed: The observed one-minute average speed in miles-per-hour.  
 Wind Gust: The maximum instantaneous wind speed for the 10-minute period preceding the observation.  
 Rainfall Rate: The instantaneous rainfall rate at the time of observation, calculated by timing consecutive 0.01" pulses from the electronic rain gauge and interpolating this rate for one hour.

### SUMMARY BY HOUR

Hour	Averages						Resultant Wind	
	Sunshine	Pressure	Temperature	Dew Point	Humidity	Wind Speed	Direction	Speed
01	0	30.016	53	50	92	0.4	21	0.3
04	0	29.825	52	50	92	0.6	22	0.6
07	12	30.036	51	49	93	0.8	23	0.6
10	308	30.041	60	54	81	1.8	23	1.5
13	506	30.020	66	56	70	2.0	25	1.5
16	276	29.993	68	56	66	0.9	24	0.7
19	4	29.655	59	55	84	0.1	20	0.1
22	0	30.019	54	51	91	0.4	23	0.4

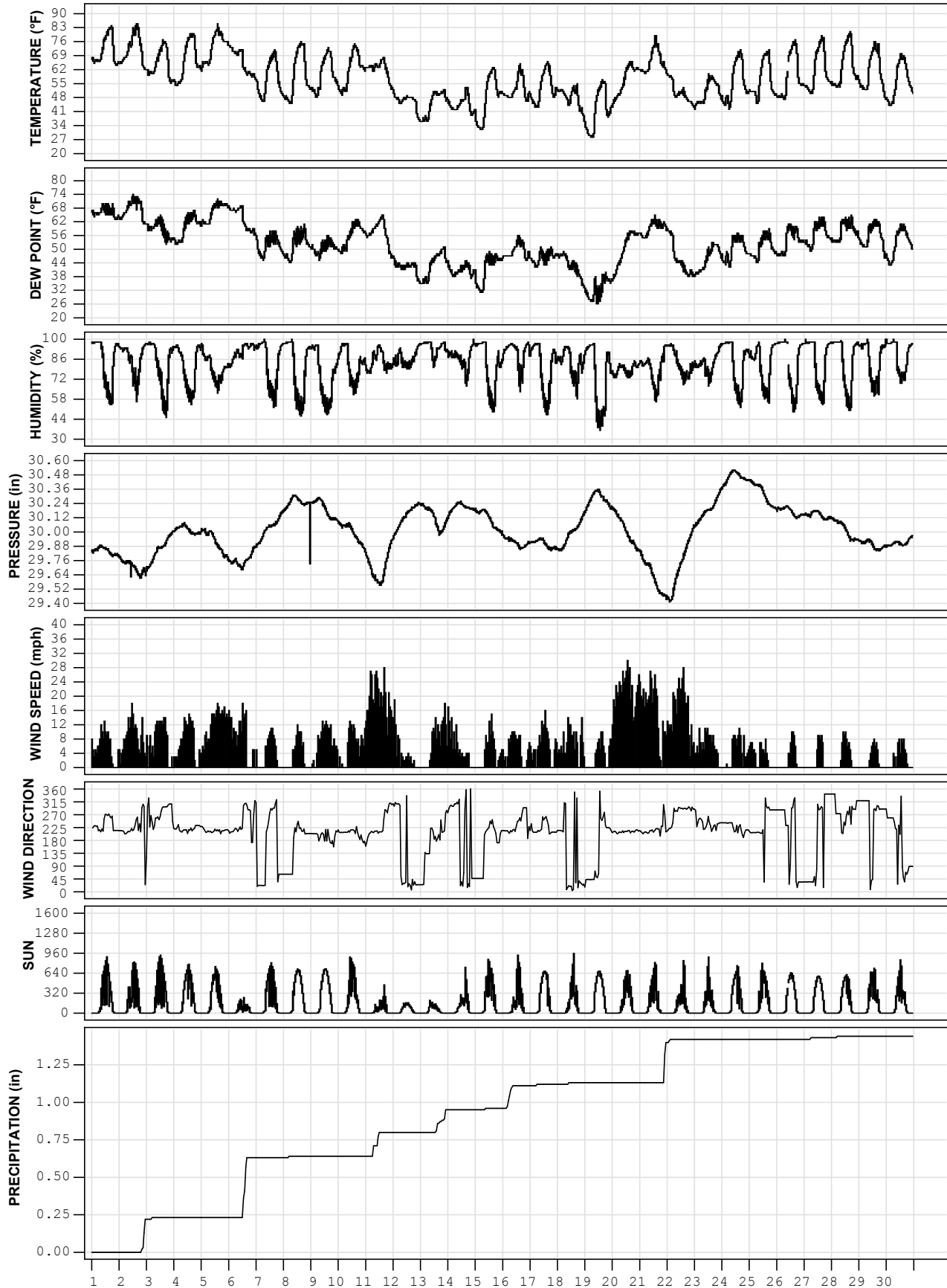
## HOURLY PRECIPITATION (Water Equivalent) September 2014: Westford

Date	A.M. Hour Ending at												P.M. Hour Ending at												Date
	01	02	03	04	05	06	07	08	09	10	11	12	01	02	03	04	05	06	07	08	09	10	11	12	
01																								01	
02					0.01														0.02	0.01	0.10	0.09		02	
03					0.01																			03	
04																								04	
05																								05	
06													0.13	0.05	0.16	0.06								06	
07																								07	
08					0.01																			08	
09																								09	
10																								10	
11							0.07				0.06	0.03												11	
12																								12	
13														0.01	0.05		0.01		0.01		0.01	0.06		13	
14																								14	
15									0.01															15	
16				0.01	0.04	0.03	0.04	0.02	0.01															16	
17						0.01																		17	
18										0.01														18	
19																								19	
20																								20	
21																						0.19	0.08	21	
22		0.01	0.01																					22	
23																								23	
24																								24	
25																								25	
26																								26	
27						0.01																		27	
28					0.01																			28	
29																								29	
30																								30	
<b>Sum</b>	0.00	0.01	0.01	0.01	0.07	0.05	0.11	0.02	0.02	0.01	0.06	0.03	0.13	0.06	0.21	0.06	0.01	0.00	0.01	0.02	0.02	0.35	0.17	0.00	<b>Sum</b>

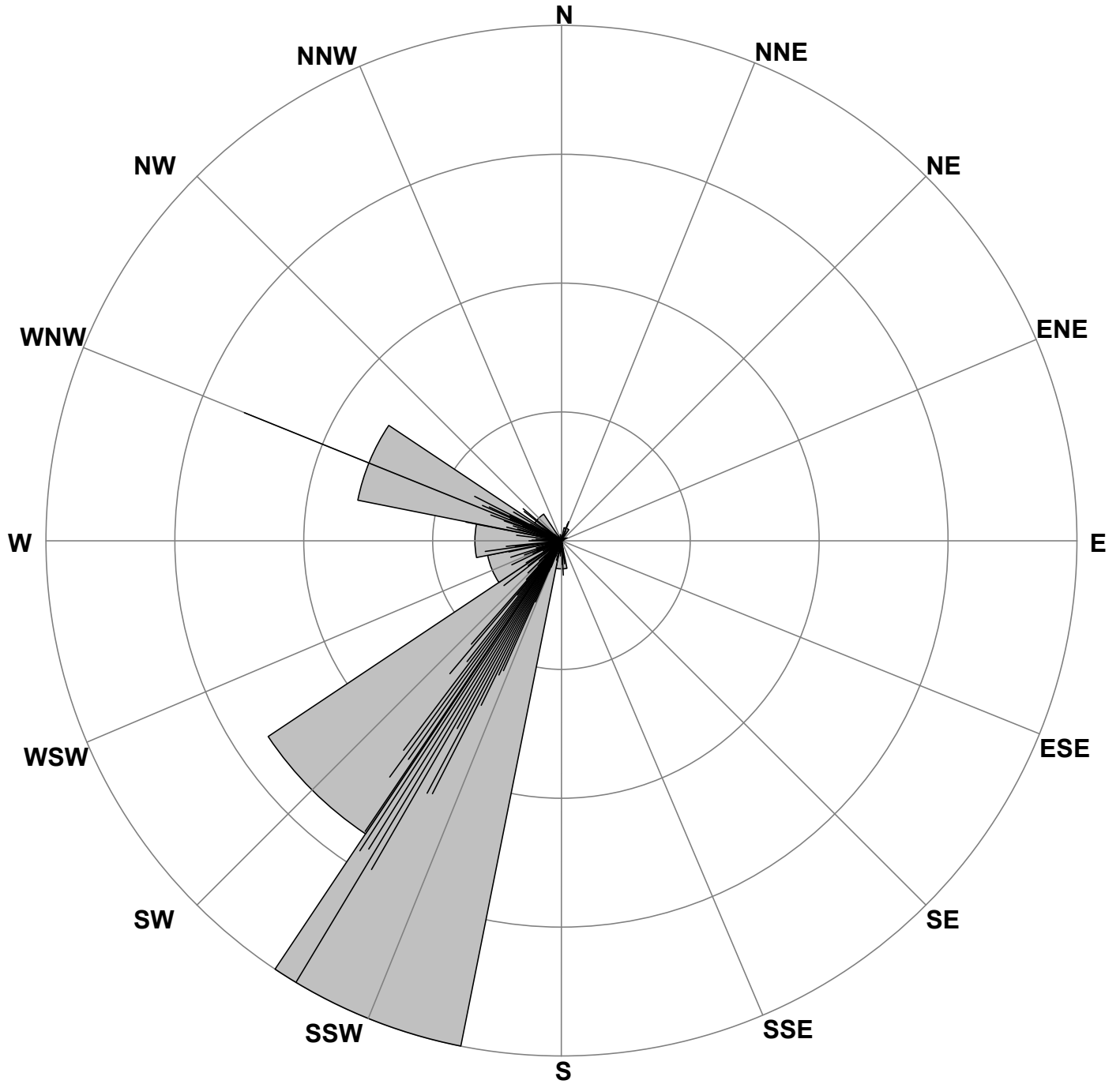
During a frozen precipitation event, hourly precipitation totals may not be recorded. In this case, daily amounts are typically entered in the last column (hour ending at 12 A.M.)

# HOUR-BY-HOUR DATA

## September 2014: Westford



**Wind Rose: September 2014  
Westford**



**Maximum direction of wind: 40.1 miles from 211°  
Maximum sector of wind: 238.2 miles from SSW  
611.0 total miles of wind**